

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

5

1. (original) A method for selecting one channel from a plurality of channels in a wireless network system, the channels including at least one in-use channel, a first idle channel, and a second idle channel, the method comprising:

10 determining a first reference value for the first idle channel and a second
 reference value for the second idle channel by comparing the frequency
 band of the in-use channel with the frequency band of the first idle channel
 and the frequency band of the second idle channel; and
 comparing the first reference value with the second reference value to select one
 from the first idle channel and the second idle channel.

15

2. (original) The method of claim 1, further comprising:
 detecting the channels to identify the in-use channel, the first idle channel, and the
 second idle channel.

- 20 3. (original) The method of claim 1, wherein if the frequency band interval between the
 in-use channel and the first idle channel is shorter than that between the in-use
 channel and the second idle channel, the first reference value is larger than the second
 reference value.

- 25 4. (original) The method of claim 3, wherein the channel selected from the first idle
 channel and the second idle channel is the one having a smaller reference value.

5. (original) The method of claim 1, wherein if the frequency band interval between the

in-use channel and the first idle channel is shorter than the frequency band interval between the in-use channel and the second idle channel, the first reference value is smaller than the second reference value.

5 6. (original) The method of claim 5, wherein the channel selected from the first idle channel and the second idle channel is the one having a larger reference value.

7. (original) A method used in a wireless network system, the method comprising:
detecting the status of a plurality of channels in the wireless network system to
10 divide the channels into at least one in-use channel, a first idle channel, and
a second idle channel; and
comparing the frequency band of the in-use channel with the frequency band of
the first idle channel and the second idle channel to determine a first
reference value for the first idle channel and a second reference value for
15 the second idle channel.

8. (original) The method of claim 7, further comprising:
comparing the first reference value with the second reference value to select one
from the first idle channel and the second idle channel.
20

9. (original) The method of claim 8, wherein if the frequency band interval between the in-use channel and the first idle channel is shorter than the frequency band interval between the in-use channel and the second idle channel, the first reference value is larger than the second reference value.
25

10. (original) The method of claim 9, wherein the channel selected from the first idle channel and the second idle channel is the one having a smaller reference value.

11. (original) The method of claim 8, wherein if the frequency band interval between the in-use channel and the first idle channel is shorter than the frequency band interval between the in-use channel and the second idle channel, the first reference value is smaller than the second reference value.

5

12. (original) The method of claim 11, wherein the channel selected from the first idle channel and the second idle channel is the one having a larger reference value.

13-20. (canceled)

10